

BRUHATH BENGALURU MAHANAGARA PALIKE
Yelahanka Division, Yelahanka Zone

Executive Engineer
Yelahanka Division
B.B.M.P. Bengaluru - 64

NO:BBMP/EE/YNK.D/EPMT-15/2019-20 Dt:13-1-2020

APPROVED TENDER SCHEDULE - 'B'

Item:11

Name of Work:- " Providing water supply and drilling of borewells and RO plant in ward no:03 and 04 of Yelahanka new town sub division"

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor approved rates Sri. A.Puttaraju	
				Rate	Rate in Words
1	Earth work excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depyh including the bottom and sides of pits and trenches stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specification No. KBS 2.1 b 2.3.5 PWD SR 2018-19 It No.2.4 Pg. No.6	Cum	66.14	500.00	Rupees Five Hundred Only
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1 4.2.PWD SR 2018-19 It No.4.2 Pg. No.13	Cum	15.57	5890.00	Rupees Five Thousand Eight Hundred Ninety Only
3	Providing and constructing granite trap basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 PWD SR 2018-19 It No.5.5 Pg. No.25	Cum	20.43	5093.20	Rupees Five Thousand Ninety Three and Paise Twenty Only

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4	Providing and constructing granite trap basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 PWD SR 2018-19 It No.5.6 Pg. No.25	Cum	11.49	5211.86	Rupees Five Thousand Two Hundred Eleven and Paise Eighty Six Only
5	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, HOM curing complete as per specifications. PWD SR 2018-19, It No.34.12.1	Sqm	25.54	159.89	Rupees One Hundred Fifty Nine and Paise Eighty Nine Only
6	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement 340kgs, with 20mm and down size graded granite metal coarse aggregates 0.70cum and fine aggregates 0.47cu with superplasticiser 3lts conforming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls any thickness including attached pilasters, columns, pillars, posts, struts, buttresses, string or lacing courses parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.14.6 PWD SR 2018-19 It No.4.12Pg. No.14	Cum	30.66	6855.03	Rupees Six Thousand Eight Hundred Fifty Five and Paise Three Only
7	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever require tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design laps hooks and wastage shall not be measured and paid cost of materials labourHOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 Specification No.KBS 4.6.3 PWD SR 2018-19 It No.4.46.2Pg. No.18	Tonne	4.67	80475.44	Rupees Eighty Thousand Four Hundred Seventy Five and Paise Forty Four Only

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8	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc and removal of form work for vertical surface such as walls at any thickness, including attached pilasters buttresses plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 PWD SR 2018-19 It No.4.31Pg. No.16	Sqm	248.29	405.97	Rupees Four Hundred Five and Paise Ninety Seven Only
9	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not less than 1800 kgm ³ and having a minimum average compressive strength 5.00 Nmm ² confirming to IS 2185 Part 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 PWD SR 2018-19 It No.5.26.1Pg. No.27	Sqm	211.53	1034.21	Rupees One Thousand Thirty Four and Paise Twenty One Only
10	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 to ceiling including rounding off corners wherever required smooth rendering Providing and removing scaffolding, including cost of materials, labour curing complete as per specifications. PWD SR 2018-19 It No.15.22Pg. No.116	Sqm	45.32	255.15	Rupees Two Hundred Fifty Five and Paise Fifteen Only
11	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering Providing and removing scaffolding, including cost of materials labour curing complete as per specifications. PWD SR 2018-19 It No.15.9Pg. No.115	Sqm	164.06	239.27	Rupees Two Hundred Thirty Nine and Paise Twenty Seven Only
12	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering Providing and removing scaffolding, including cost of materials labour curing complete as per specifications. PWD SR 2018-19 It No.15.17Pg. No.116	Sqm	187.73	277.83	Rupees Two Hundred Seventy Seven and Paise Eighty Three Only
13	Providing and fixing Special make glazed Vitrified tiles Granomite finish of approved make quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc complete including providing spears at required interval and removing stains etc complete.)PWD SR 2018-19 It No.14.43Pg. No.109	Sqm	45.32	1349.46	Rupees One Thousand Three Hundred Forty Nine and Paise Forty Six Only

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14	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms. PWD SR 2018-19 It No.14.41.2 Pg. No.108	Sqm	12.69	1850.69	Rupees One Thousand Eight Hundred Fifty and Paise Sixty Nine Only
15	Providing and fixing pull and push type rolling shutters of approved make out of 18 guage 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlocking arrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers mounted on specially designed pipe shaft with bracket plates, guide channels ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories painted with a coat of red lead paint (without top cover) cost of materials, labour HOM of machinery complete as per specifications. Shutter size 3mx2.8 m. Specification No. KBS 7.10 / 7.12. PWD SR 2018-19 It No 7.5 Pg. No.33	Sqm	16.38	2956.34	Rupees Two Thousand Nine Hundred Fifty Six and Paise Thirty Four Only
16	Providing and applying two coats with oil bound washable distemper Two Coats of distemper of approved brand and shade on Ceilling & sloped roof including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.PWD SR 2018-19, It No.15.49.1 Pg No.119	Sqm	164.06	124.74	Rupees One Hundred Twenty Four and Paise Seventy Four Only
17	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. PWD SR 2018-19 It No.15.53.1 Pg. No.120	Sqm	187.73	100.93	Rupees One Hundred and Paise Ninety Three Only

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18	KSRB 7.9: Providing and fixing M.S Grill work for windows and ventilators using M.S flats or M.S square rods or combination of M.S flat and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of material, fixtures, labour and HOM of machinery complete as per specification. Specification No:KBS 7.12 (P.No:34 Items No:7.9 of PWD SR 2018-19)	Kgs	90.72	107.73	Rupees One Hundred Seven and Paise Seventy Three Only
19	Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete Concealed work including cutting chases and good the walls etc 32mm nominal OD pipes PWD SR 2018-19 It No.13.77 Pg. No.96	Mtr	90.00	146.29	Rupees One Hundred Forty Six and Paise Twenty Nine Only
20	Providing, fabricating, assembling and fixing in position aluminium partitions using aluminium sections of mat finish or glassy finish in combination of plain grove, single grove and double grove as per requirements for the frames of overall size 63.5mm x 38.1mm. with thickness of 2mm. having section weight, plain sections 1.054kg m single grove thickness 1.95mm. section weight 1.094kg/m double grove thickness 1.9mm section weight 1.094 kgm and bottom member 114.3 mm x 44.45mm thickness 3.18mm. weight 2.646 kg m aluminium louvres section of size 36.5mmx34.93mm 1.45mm. thick section weight 0.429kg m bottom portions provided with 12mm. thick prelaminated sheet both sides of approved colour lamination exterior grade upto 0.9m height, spacing of vertical member not exceeding 0.6 m. c to c sections are cut to the required lengths joints mitered and suitable sized holes and fixing with cement mortar with necessary opening for fixing of door of standard size excluding cost of door all the frame thoroughly cleaned, free from rust, scale or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications using aluminium section	Sqm	25.38	3814.78	Rupees Three Thousand Eight Hundred Fourteen and Paise Seventy Eight Only

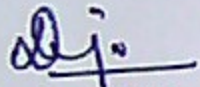
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21	1.Raw Water pump Qty officer-one number type Mon Block centrifugal operation flow rate - 4M3/hr operation pressure-4.0kg/cm2 type of drive- phase squirrel cage induction motor make- CRI/TEXmo 2.Multigrated sand filter (MSF) Qty offere-one number Type -Top and bottom flow size-15"x65" operation floe rate- 4M3/hr Operation pressure-4.0kg/cm2 Type of Media-Dual-Sand and anthracite Supporting media-Gravels and Silex MOC of shell-FRP Make PARTNER/Aventura 3.Activated Carbon filter (ACF)Qty Offere -one Number Type Top and bottom flow size 16"x65" operation flow rate- 4M3/hr operation pressure-3.5kg/cm2 type of Media Activated carbon flakes Type of resin- 150kgs MOC of shell-FRP make - PARTNER/Aventura JODINE VALUE-500value 4.Micro Cartridge Filter Nos 5.Antiscalent Dosing UntilQty Offere -one number 6.Multistage Centrifugal pumo high pressure pump Qty Offe-one nos Type-Multistage Centrifugal Operation flow rate-4M3/hr operation pressure-10 to 15kg/cm2 material of construction -SS 316 Make pump- Cri/Kirloskar/unique Type of drive motor-three phase squired cage indicator KWRPDM.	Each	3.00	1102500.00	Rupees Eleven Lakh Two Thousand Five Hundred Only
22	supplying heavy gauge pvc conduit pipe... dia confirming to IS 2509 with suitable size benda. Junction boxes, adhesive paste etc and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using havey gauge saddles at an intereval of 70mm using NF screws ELE SR 2019-20 Page-2, Item-1.1.2	mtr	84.00	68.25	Rupees Sixty Eight and Paise Twenty Five Only
23	Suppling... mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc..., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.(ELE SR 2019-20 Page-2, Item-1.2.2)	mtr	84.00	55.65	Rupees Fifty Five and Paise Sixty Five Only

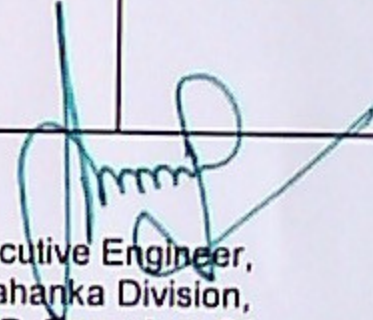
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24	Groove cutting in the wall supplying.. Dia 2mm/2.5mm thick heavy gauge PVC Conduit pipe with bends, metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out conduit wherever necessary.(ELE SR 2019-20 Page-2, Item-1.3.2)	mtr	69.00	56.70	Rupees Fifty Six and Paise Seventy Only
25	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc.,(ELE SR 2019-20 Page-2, Item-1.4.5)	Each	9.00	116.55	Rupees One Hundred Sixteen and Paise Fifty Five Only
26	supplying and fixing PVC/ Metal conduit accessories. (3/5) (ELE SR 2019-20 Page-3 Item-1.5.3)	Each	3.00	63.00	Rupees Sixty Three Only
27	Suppling and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work complet. (ELE SR 2019-20 Page-3, Item-1.6.1-1.6.8)	mtr	30.00	107.10	Rupees One Hundred Seven and Paise Ten Only
28	Suppling and wiring adopting loop system in existing PVC Conduit/ casting capping using copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box. The outhter end of the wires shall be terminated with sufficient loose lenght in a wood / PVC round block. compelete for each outlet. (ELE SR 2019-20 Page-5 Item-2.1.2)	Each	12.00	288.75	Rupees Two Hundred Eighty Eight and Paise Seventy Five Only
29	Suppling and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos of machines screws, bolts nuts etc complete on the existing metal PVC box ELE SR 2019-20 Page-9 Item-3.5.3	No	15.00	183.75	Rupees One Hundred Eighty Three and Paise Seventy Five Only
30	Supplying and fixing of 32 Amps security and energy saving DP switch with key tag suitable to operate on 230 volts, 50Hz AC supply and completely wired on existing box. ELE SR 2019-20 Page-10, Item-3.7	Each	6.00	714.00	Rupees Seven Hundred Fourteen Only
31	Wiring for lighting/power circuit using one of pvc insulated 1100v grade multistrand copper conductor singal core cable in open or concealed system of wiring.ELE SR 2019-20 Page-5 Item-2.3.1-2.3.7 a)1.5sqmm	mtr	258.00	21.53	Rupees Twenty One and Paise Fifty Three Only
32	b)6 sqmm	mtr	237.00	71.00	Rupees Seventy One Only
33	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm Etc as required ELE SR 2019-20 Page-3 Item-1.8.1	Each	45.00	22.00	Rupees Twenty Two Only

34	Supplying PVC/GI Flexible conduit pipe.. Mm dia fixing on surface over inverted wooden pugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and either end of the pie terminated completely ELE SR 2019-20 Page-3 Item-1.9.1	Each	48.00	23.10	Rupees Twenty Three and Paise Ten Only
35	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws.. ELE SR 2019-20 Page-10, Item-3.10.2	Each	48.00	11.55	Rupees Eleven and Paise Fifty Five Only
36	Providing and fixing Chlorinated Poly Vinyl Chloride CPVC pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc 20mm nominal OD pipes P.No.99 I.No. 13.86.2 of PWD SR 2018-19	Rmt	165.00	266.40	Rupees Two Hundred Sixty Six and Paise Forty Only



Signature of the Contractor


 Executive Engineer,
 Yelahanka Division,
 BBMP, Bengaluru-64.